

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G02B 6/17, 6/22, C03B 37/012		A3	(11) International Publication Number: WO 00/14581
			(43) International Publication Date: 16 March 2000 (16.03.00)
(21) International Application Number: PCT/US99/18933			(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
(22) International Filing Date: 20 August 1999 (20.08.99)			
(30) Priority Data: 60/099,535 9 September 1998 (09.09.98) US			
(71) Applicant (for all designated States except US): CORNING INCORPORATED [US/US]; 1 Riverfront Plaza, Corning, NY 14831 (US).			
(72) Inventors; and (75) Inventors/Applicants (for US only): BHAGAVATULA, Venkata, A. [IN/US]; 367 Orchard Drive, Big Flats, NY 14814 (US). HAWK, Robert, M. [US/US]; 207 Atlantic Avenue, Pawleys Island, SC 29585 (US).			
(74) Agent: CHERVENAK, William, J.; Corning Incorporated, Patent Dept., SP TI 3-1, Corning, NY 14831 (US).			(88) Date of publication of the international search report: 24 August 2000 (24.08.00)

(54) Title: RADIALLY NON UNIFORM AND AZIMUTHALLY ASYMMETRIC OPTICAL WAVEGUIDE FIBER

(57) Abstract

Disclosed are a single mode waveguide fiber and a multimode waveguide fiber which have a radially non-uniform and azimuthally asymmetric core, and methods of making such a waveguide fiber. This asymmetry provides additional degrees of freedom for use in forming a waveguide having particular performance characteristics.

